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ABSTRACT

This book provides 50 enrichment activities for the science curriculum that provide concrete connections with important world events. Each activity is self-contained and provides everything the student needs to gain a basic understanding of a concept or to work through a project. The activities include innovative and traditional projects for both the bright and average, the self-motivated and those who find activity motivating. A comprehensive teacher's guide included with each activity discusses the goal, student objectives, prelab discussion, guide to the investigation, vocabulary or glossary, additional resources, and suggestions for further study for each project. Topics covered include: life processes and characteristics, observations and data, measurements, designing experiments, microscopy, cell biology, osmosis, acidity and basicity, acid rain, chemical nutrients in food, diet and nutrition, classification systems, endangered species, bacteria, antibiotics and antiseptics, protozoa, mold, parts of a plant, photosynthesis, organs systems, solid waste, digestive enzymes, human anatomy, human reflexes, reproduction, cloning a plant, flowers and seeds, metamorphosis, DNA and genetics, natural selection, adaptation, food webs, ecosystems, ecological succession, water purification, population, and ideas for games. (JRH)

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